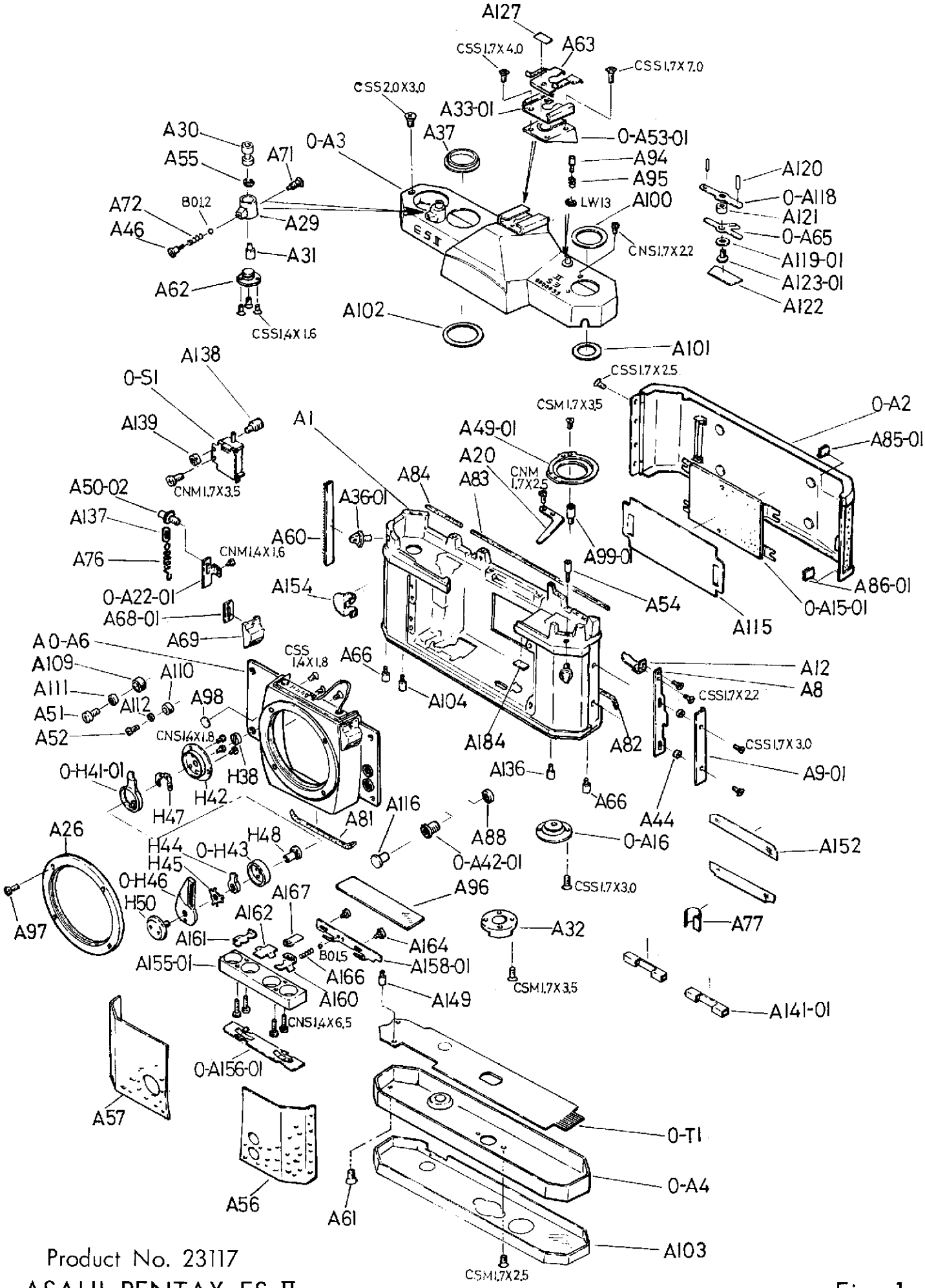
PRODUCT No. 23117

ASAHI PENTAX ES II

EXPLODED ILLUSTRATION — A & H

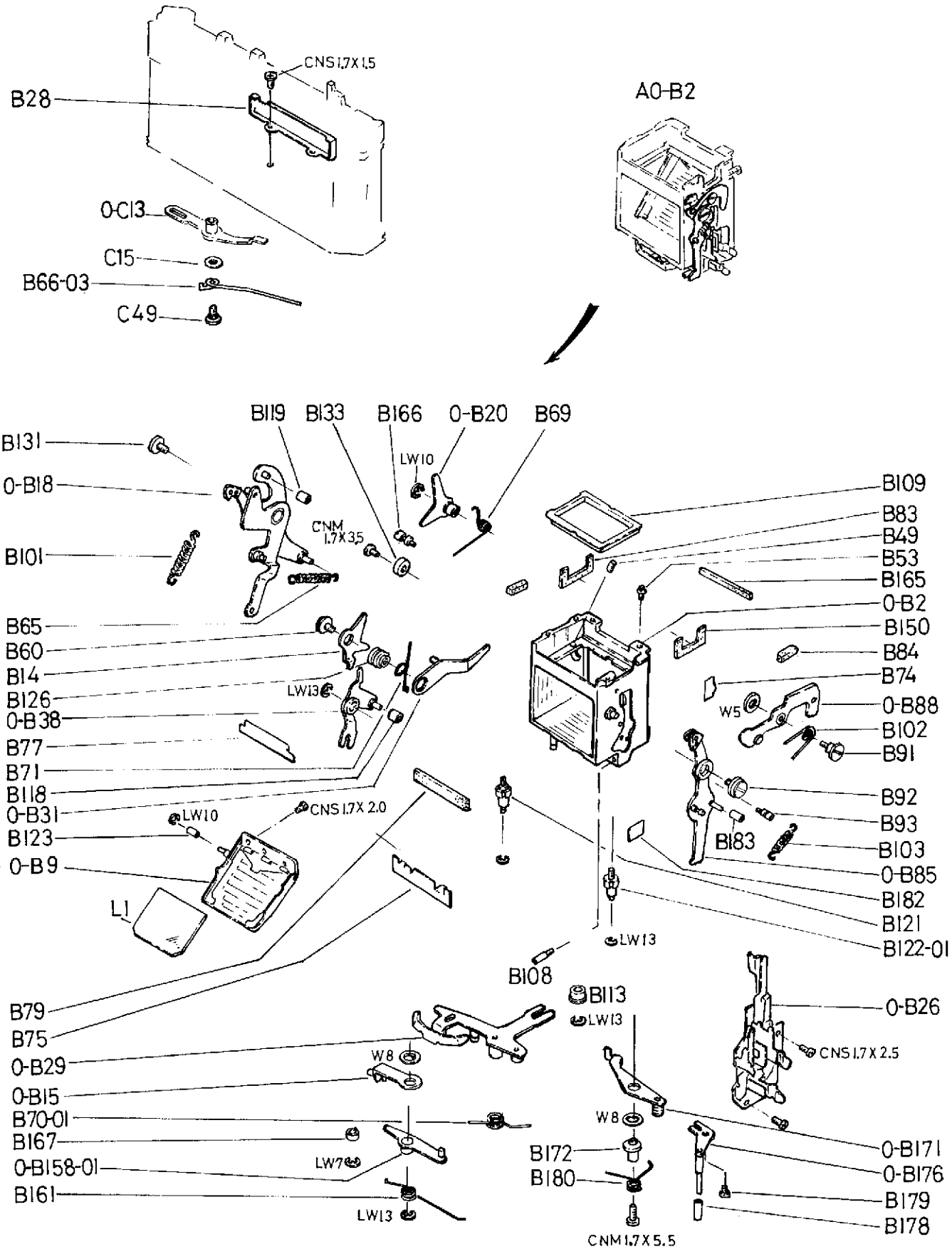


Product No. 23117

ASAHI PENTAX ES II

Fig. 1

EXPLODED ILLUSTRATION — B



Product No. 23117

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Fig. 2

EXPLODED ILLUSTRATION — C & D

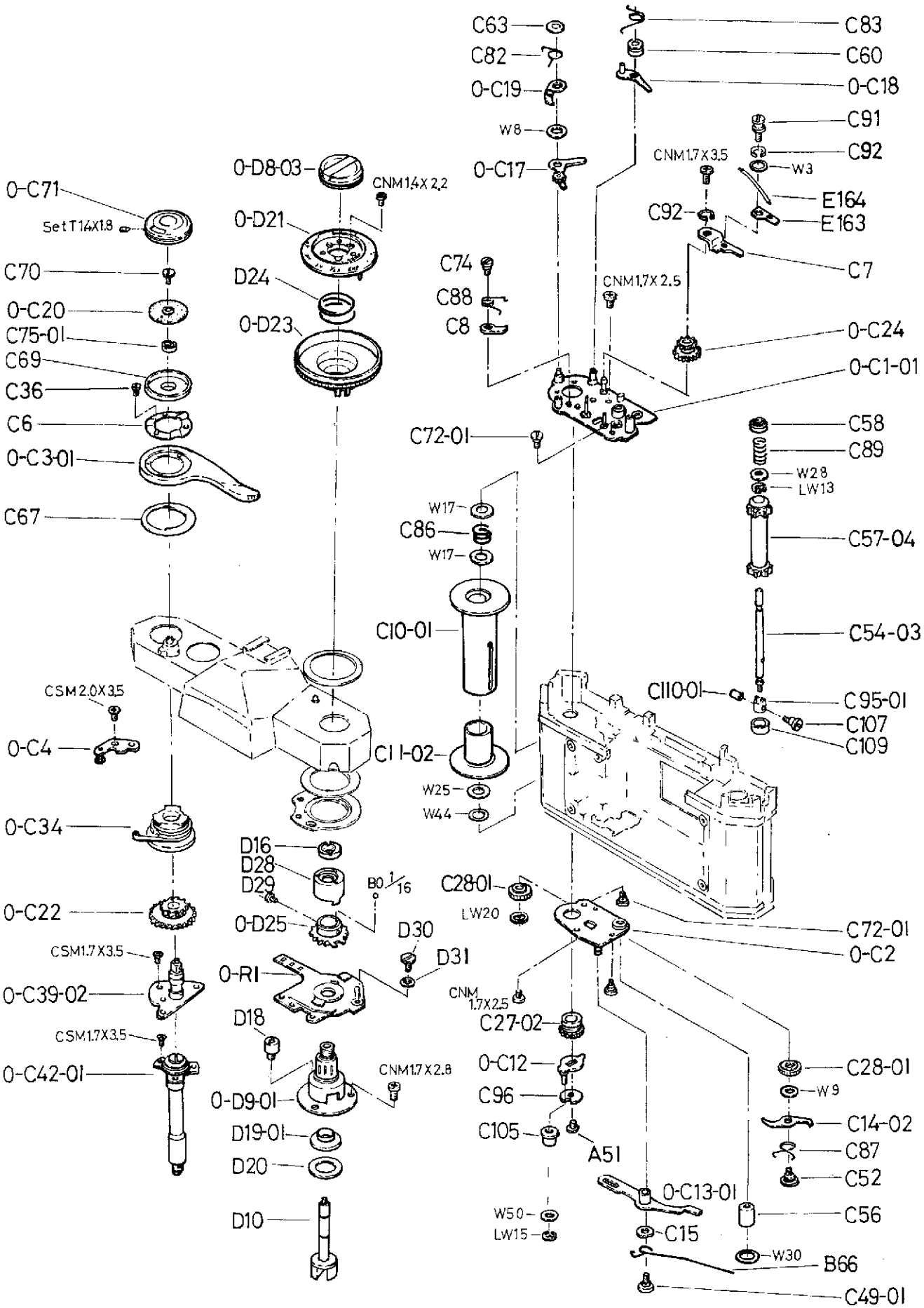

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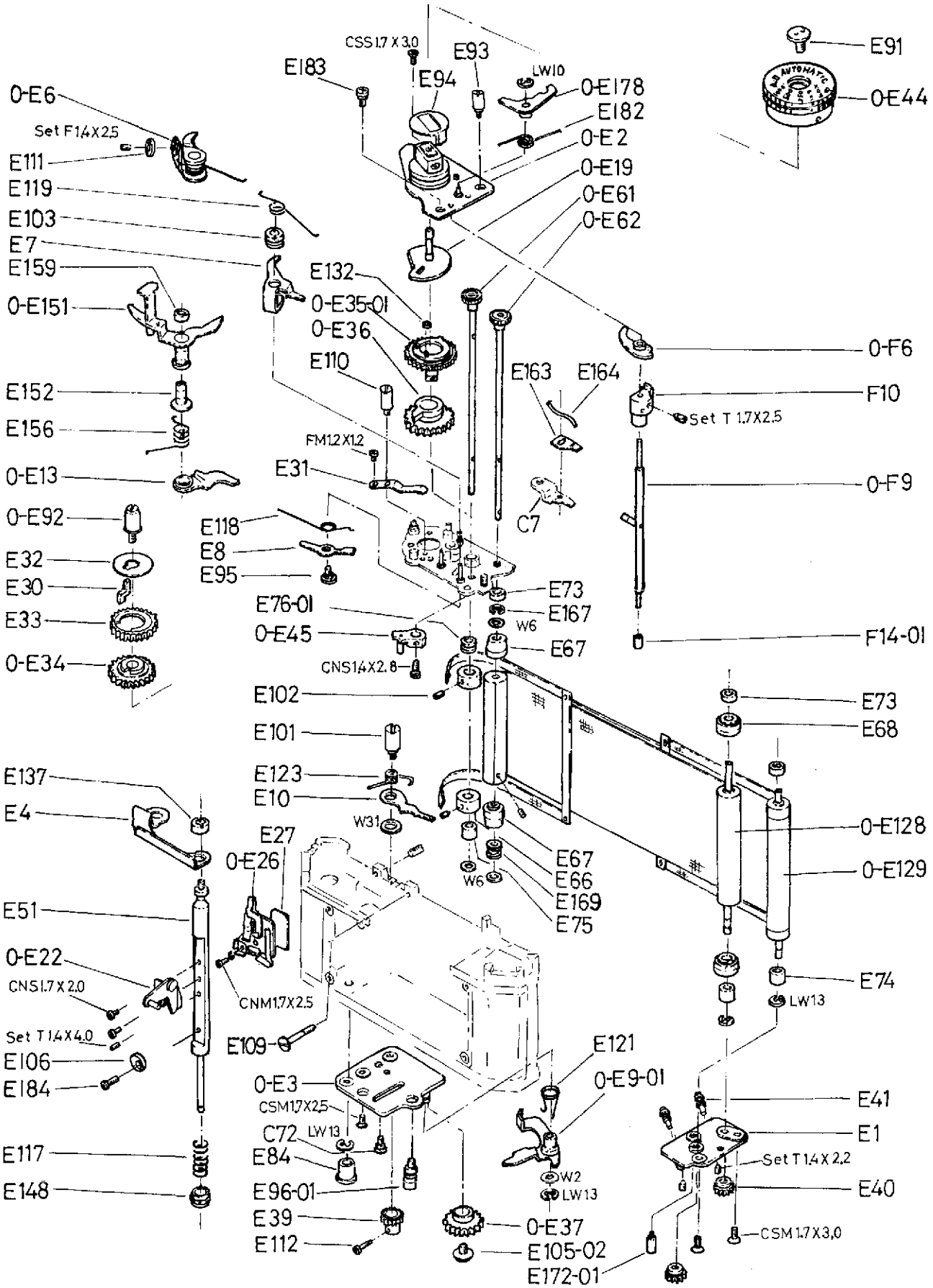
Fig. 3

EXPLODED ILLUSTRATION — E & F

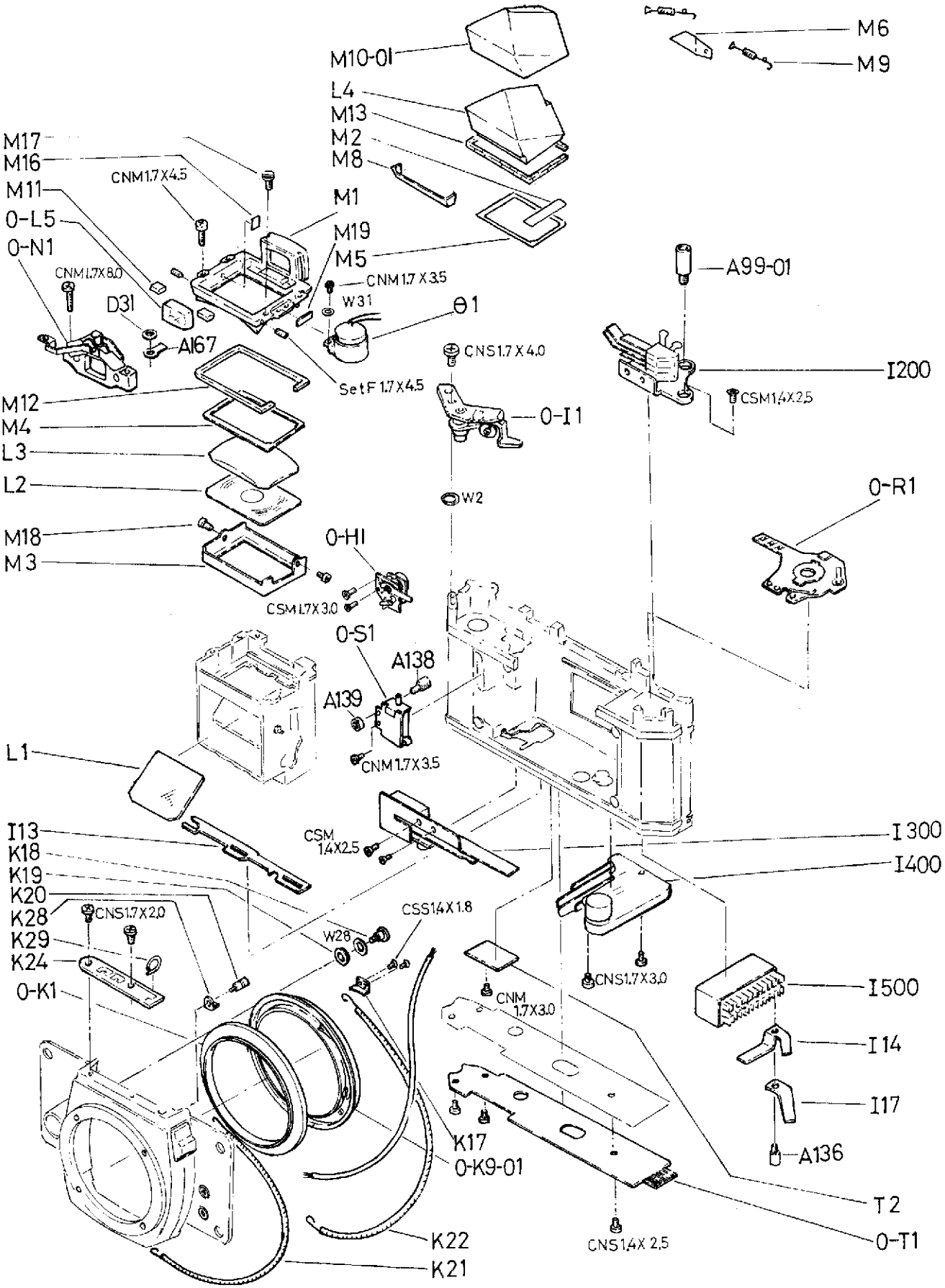


Product No. 23117

ASAHI PENTAX ES II

Fig. 4

EXPLODED ILLUSTRATION —I・K・L・M・N・Θ・S・T



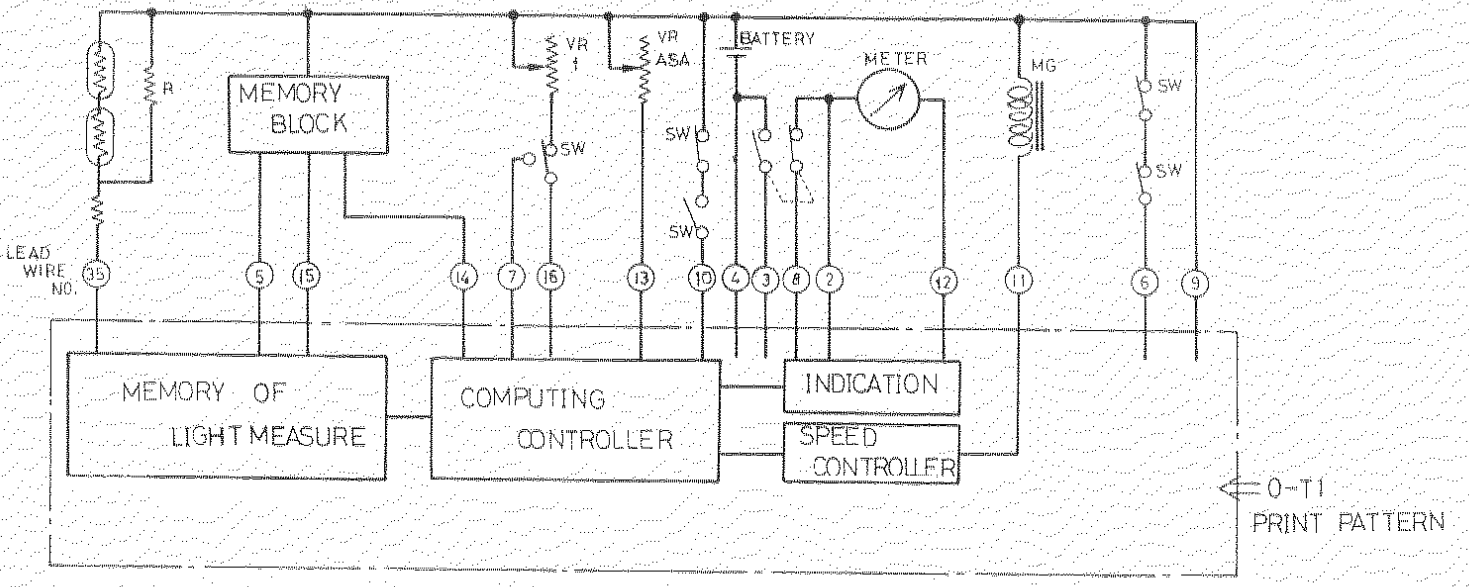
Product No. 23117

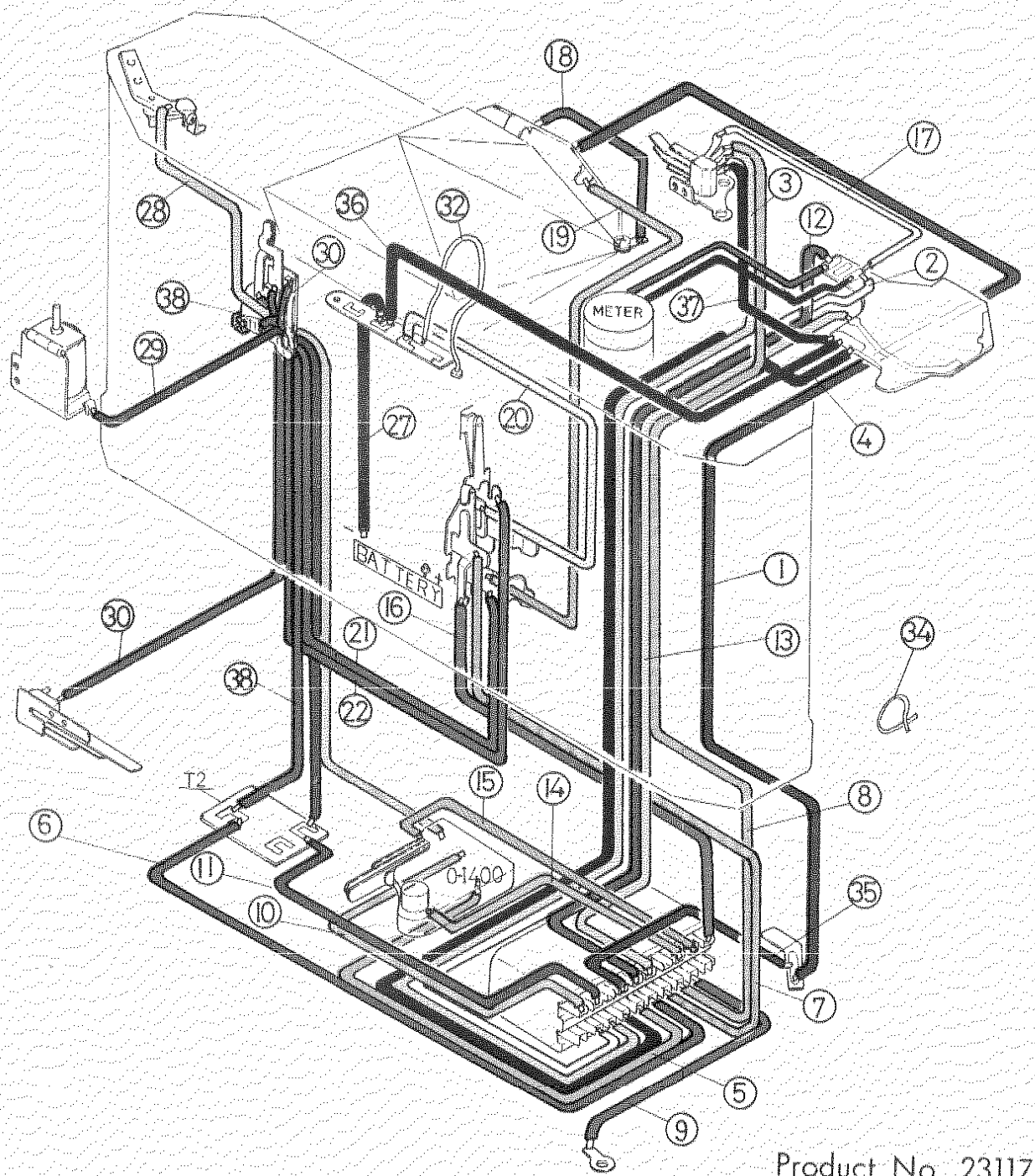
ASAHI PENTAX ES II

Fig. 5

DISTRIBUTING WIRES

CIRCUIT DIAGRAM





Product No. 23117

ASAHI PENTAX ES II Fig. 6

LIST OF SERVICE PARTS

Product No. 23117
ASAHI PENTAX ES II

Note: 1. The parts with numbers starting '0-' are assembled parts and 'A0-' are complete assemblies including '0-' parts and other unit parts.

2. Only the available parts are listed below.

3. (Chrome or Black) should be remarked either of them, when ordering.

Parts No.	Description	Quantity	Interchangeability
A1	Body proper	1	23111–A1
0-A2	Back cover assembly (A2, A7, A10, A11, A13, A14, A39 x 2, A43 x 2, A45 x 4, A47 x 2, A58, A79, A85, A86)	1	23111–0-A2-01
0-A3 (Chrome or Black)	Top cover assembly (A3, A29, A30, A31, A33, A37, A46, 0-A53, A55, A59, A62; A63, 0-A65, A71, A72, A78, A93, A94, A95, A102, 0-A118, A119 A120, A122, A123, LW13, CSS1.7 x 4.0 x 2, CSS1.7 x 7.0 x 2, CSS1.4 x 1.6 x 3, BO1.2)	1	
0-A4 (Chrome or Black)	Bottom cover assembly (A4, A24)	1	
A0-A6 (Chrome or Black)	Front cover complete assembly (0-A6, 0-K1, K17, K18, K19, K20, K21, K22, K23, K24, K28, K29, CSS1.4 x 1.8 x 2, CNS1.7 x 2.0 x 2)	1	
0-A6 (Chrome or Black)	Front cover assembly (A6, A5, A22, A26, 0-A42, A50, A68, A69, A74, A76, A81, A88, A96, A97 x4, A137, A155, 0-A156, A158, A160, A161, A162, A164 x 2, A167, BO1.5, CNS1.4 x 6.5 x 4)	1	
A8	Back cover key	1	23110–A8
A9-01	Back cover key retainer plate	1	23110–A9-01
A12	Back cover key release plate	1	23110–A12
0-A15-01	Pressure plate assembly (A15, A21, A48 x 2)	1	23110–0-A15-01
0-A16	Cassette receptacle assembly (A16, A105, A106, A107, A108)	1	23110–0-A16-02

Parts No.	Description	Quantity	Interchangeability
A20	Back cover key retainer spring	1	23110–A20-01
0-A22-02	O.S. switch lever retainer (A22, A74)	1	23110–A22-01
A26	Helicoid seat	1	23110–A26
A29	Shutter button seat	1	23110–A29
A30	Shutter button	1	
A31	Shutter button core	1	
A32	Tripod screw	1	23111–A32
A33-01	Accessary shoe	1	23110–A33-01
A36-01	Strap hook	2	23110–A36-01
A37	Cover ring	1	23111–A37
0-A42-01	Synchro terminal assembly (A42, A40, A41)	2	23110–0-A42-01
A44	Back cover key collar	2	23110–A44
A46	Spring retainer screw	1	23110–A46
A49-01	Top cover install seat	1	
A50-02	O.S. switch lever shaft	1	23110–A50-02
A51	Front cover retainer screw A	5	23110–A51
A52	Front cover retainer screw B	1	23110–A52
0-A53-01	Accessary shoe seat assembly (A53, A64)	1	23110–0-A53-01
A54	Strap hook retainer screw	1	23111–A54
A55	Button seat retainer spring	1	23110–A55
A56	Body covering, left	1	
A57	Body covering, right	1	
A60	Light seal cloth	1	23110–A60
A61	Bottom cover retainer screw	2	23110–A61

Parts No.	Description	Quantity	Interchangeability
A62	Button seat install ring	1	
A63	Accessary shoe spring	1	23110–A63
0-A65	Shoe contact spring assembly (A65, B16)	1	23110–0-A65
A66	Bottom cover install shaft	2	
A68-01	O.S. switch lever seat	1	23110–A68-01
A69	O.S. switch lever	1	23110–A69
A71	Guide screw	1	23110–A71
A72	Button seat spring	1	23110–A72
A76	Restitution spring	1	23110–A76
A77	Cord holder	1	23111–A77
A81	Front board light seal cloth	1	23111–A81
A82	Light seal string A	1	23110–A82
A83	Light seal string B	1	23110–A83
A84	Light seal string C	1	23110–A84
A85-01	Back cover light seal A	1	23110–A85-01
A86-01	Back cover light seal B	1	23110–A86-01
A88	Synchro terminal nut	2	23110–A88
A94	Battery check button	1	23111–A94
A95	Battery check button spring	1	23111–A95
A96	Battery mark	1	
A97	Mount screw	4	23110–A97
A98	Hole cap	1	23110–A98
A99-01	Top cover install seat	1	
A100	Light seal ring A	1	23111–A100
A101	Light seal ring B	1	23111–A101

Parts No.	Description	Quantity	Interchangeability
A102	Light seal ring C	1	
A103	Scratch prevention case	1	
A104	Bottom cover receptacle	1	
A109	Front board adjusting nut	4	23110–A109
A110	Front board adjusting nut	1	23110–A110
A111	Front board adjusting collar	4	23110–A111
A112	Front board adjusting collar	1	23110–A112
A115	Pressure plate cover	1	23110–A115
A116	Synchro-terminal cover	2	23110–A116
0-A118	Switch spring assembly (A118, B17)	1	23110–0-A118
A119-01	Insulation washer	1	23110–A119
A120	Switch pin	2	23110–A120
A121	Insulation collar	1	23110–A121
A122	Top cover light seal cloth	1	23110–A122
A123-01	Shoe contact spring retainer screw	1	23110–A123
A127	Indicator plate	1	23110–A127
A136	Bottom cover receptacle	1	23111–A136
A137	Spring hanger washer	1	23110–A137
A138	Magnet adjusting screw	1	23111–A138
A139	Nut	1	23111–A139
A141-01	Cord holder B	2	23111–A141-01
A149	P.C. board shaft	2	23111–A149
A152	Light seal curtain	2	23110–A152
A154	Cord holder C	1	
A155-01	Battery case	1	

Parts No.	Description	Quantity	Interchangeability
0-A156 (Chrome or Black)	Battery cap assembly (A156, A157, A159 x 2, A163 x 4, A165)	1	
A158-01	Key plate	1	
A160	Battery spring B	1	
A161	Battery spring C	1	
A162	Battery spring D	1	
A164	Key plate retainer screw	2	
A166	Click spring	1	
A167	Lug plate B	2	23110–A167
A184	Light seal plate	1	23110–A184
A0-B2	Mirror housing complete assembly (B2~B182; except B28 & B66)	1	
0-B2	Mirror housing assembly (B2, B35, B36, B50, B56, B58, B97, B111, B132, B137, B138-01, B153, B170, B174, B175, B181)	1	
0-B9-01	Mirror seat assembly (B9, B10, B11, B12, B13, B37, B45, B47 x 2, B48 x 2, B55 x 2, B62)	1	23110–0-B9-01
B14-00A -00B	Hook plate	1	23110–B-14-00A 23110–B-14-00B
0-B15	Diaphragm lever C assembly (B15, B157, B160, B167)	1	23110–0-B15
0-B18	Mirror actuator lever assembly (B18, B19, B34, B40, B41, B42, B51 x 2, B63, B135, W22)	1	23110–0-B18
0-B20	Curtain astuator assembly (B20, B116)	1	23110–0-B20
0-B26	Synchro seat assembly (B26, B16 x 3, B17 x 3, B23, B24, B25, B52 x 12, E16, E18, E157)	1	23110–0-B26
B28	Shutter curtain control plate	1	23111–B28
0-B29	Diaphragm lever A assembly (B29, B107, B143, B155)	1	23110–0-B29

Parts No.	Description	Quantity	Interchangeability
0-B31	Mirror actuator plate assembly (B31, B134)	1	23111–0-B31
	Diaphragm lever D assembly	1	
0-B38-00A	(B38-00A, B115, B117, B120)		23110–0-B38-00A
-00B	(B38-00B, B115, B117, B120)		23110–0-B38-00B
-00C	(B38-00C, B115, B117, B120)		23110–0-B38-00C
B49	Focus adjusting screw	3	23110–B49
B53	Mirror housing retainer screw	2	23110–B53
B60	Hook plate retainer screw	1	23110–B60
B65	Mirror seat spring	1	23110–B65
B66-03	Mirror restitution spring	1	23110–B66-03
B69	Curtain actuator lever spring	1	23110–B69
B70-01	AM diaphragm spring	1	23110–B70
B71	Hook plate spring	1	23110–B71
B74	Mirror box light seal plate	1	23110–B74
B75	Light seal curtain	1	23110–B75
B77	Light seal curtain	1	23110–B77
B79	Mirror shock absorber	1	23110–B79
B83	Dust prevention string A	1	23110–B83
B84	Dust prevention string E	3	23110–B84
0-B85	Diaphragm actuator lever assembly (B85, B32, B94, B95, B96, B100 x 2)	1	23110–0-B85
0-B88	Hook assembly (B88, B21, B59, B98, B152)	1	23110–0-B88
B91	Hook retainer screw	1	23110–B91
B92	Diaphragm actuator lever screw	1	23110–B92
B93	Diaphragm actuator lever stopper	1	23110–B93
B101	Diaphragm actuator spring	1	23110–B101
B102	Hook spring	1	23110–B102

Parts No.	Description	Quantity	Interchangeability
B103	Diaphragm actuator lever restitution spring	1	23110–B103
B108	Slide pin	1	23110–B108
B109	Ground glass frame B	1	23110–B109
B113	Diaphragm lever A collar	1	23110–B113
B118	Roller	1	23110–B118
B119	Mirror actuator lever D collar	1	23110–B119
B121	Mirror housing retainer screw B	1	23111–B121
B122-01	Mirror housing retainer screw C	1	
B123	Mirror seat roller	1	23110–B123
B126	Hook plate rest	1	23110–B126
B131	Mirror actuator lever retainer screw	1	23110–B131
B133	Mirror actuator lever stopper	1	23110–B133
B150	Dust prevention string F	1	23110–B150
0-B158-01	Diaphragm lever B assembly (B158-01, B64, B154)	1	23110–0-B158-01
B161	Diaphragm lever A spring	1	23110–B161
B165	Dust prevention string C	1	23110–B165
B166	Hook plate spring hanger screw	1	23110–B166
B167-00A	Diaphragm lever coupler collar A	1	23110–B167-00A
B167-00B	Diaphragm lever coupler collar B		23110–B167-00B
B167-00C	Diaphragm lever coupler collar C		23110–B167-00C
0-B171	Connection lever A assembly (B171, B173)	1	23111–0-B171
B172	Connection lever shaft	1	23111–B172
0-B176	Switch actuator lever assembly (B176, B177)	1	
B178	Actuator lever insulation tube	1	
B179	Switch actuator lever retainer screw	1	23111–B179
B180	Connection lever spring	1	23111–B180

Parts No.	Description	Quantity	Interchangeability
B182	Light seal curtain	1	23110–B182
B183	SW protection tube	1	23110–B183
0-C1	Top mec. plate assembly (C1, C9, C33, C40, C41, C45, C46, C59, C62, C64, E43, E82 x 3, E48, E50, E54, E104, E147, E170)	1	
0-C2	Bottom mec. plate assembly (C2, C29, C48, C50, C51, C53, C106)	1	23110–0-C2
0-C3-01 (Chrome or Black)	Rapid wind lever assembly (C3, C35,)	1	23110–0-C3-01
0-C4	Lever stopper assembly (C4, C65)	1	23110–0-C4
C6	Rapid wind lever retainer spring	1	23110–C6
C7	Stopper	1	23110–C7
C8	Non-return arm	1	23110–C8
C10-01	Top take-up spool brim	1	23110–C10-01
C11-02	Bottom take-up spool brim	1	23110–C11-02
	Coupler lever pin adjust seat assembly		
0-C12-00A	(C12-00A, C47)	1	23110–0-C12-00A
-00B	(C12-00B, C47)		23110–0-C12-00B
-00C	(C12-00C, C47)		23110–0-C12-00C
-00D	(C12-00D, C47)		23110–0-C12-00D
-00E	(C12-00E, C47)		23110–0-C12-00E
0-C13-01	Coupler lever assembly (C13, C100)	1	23110–0-C13-01
C14-02	Rewind actuator lever	1	23110 C14-02
C15	Coupler lever washer	1	23110–C15
0-C17	Counter dial coupler lever assembly (C17, C30, C31)	1	23110–0-C17
0-C18	Counter dial actuator lever assembly (C18, C61)	1	23110–0-C18
	Counter dial ratchet assembly	1	
0-C19-00A	(C19-00A, C77)		23110–0-C19-00A
-00B	(C19-00B, C77)		23110–0-C19-00B
-00C	(C19-00C, C77)		23110–0-C19-00C

Parts No.	Description	Quantity	Interchangeability
0-C20	Counter dial assembly (C20, C68)	1	23110–0-C20
0-C22	Top 1st gear assembly (C22, C23)	1	23110–0-C22
0-C24	Top 2nd gear assembly (C24, C25)	1	23110–0-C24
C27-02	Bottom main gear	1	23110–C27
C28-01	Idling gear	1	23110–C28-01
0-C34-01	Rapid wind lever seat assembly (C34, C5 x 2, C37 x 2, C38 x 2, C76, C80, C84 x 2.)	1	
C36	Rapid wind lever retainer screw	3	23110–C36
0-C39-02A 0-C39-02B	Rapid wind lever shaft assembly (C39-00A, C32, C66 x 2, C97, C101) (C39-00B, C32, C66 x 2, C97, C101)	1	 23110–0-C39-00A 23110–0-C39-00B
0-C42-01	Wind up shaft assembly (C42, C21, C26, C43, C44, C85, C86, C93, C94)	1	23110–0-C42
C49-01	Coupler lever retainer screw	1	23110–C49-01
C52	Idling gear retainer screw	1	23110–C52
C54-03	Sprocket shaft	1	23110–C54-03
C56	R button	1	23110–C56
C57-04	Sprocket	1	23110–C57
C58	Sprocket collar	1	23110–C58
C60	Counter dial actuator lever collar	1	23110–C60
C63	Counter dial coupler lever collar	1	23110–C63
C67	Rapid wind lever collar	1	23111–C67
C69	Counter dial housing	1	23110–C69
C70	Counter dial retainer screw	1	23110–C70
0-C71	Counter dial covering assembly (C71, C90, Set T1.4 x 1.8 x 3)	1	23110–0-C71

Parts No.	Description	Quantity	Interchangeability
C72-01	Mec. plate retainer screw	1	23110–C72-01
C74	Non-return arm screw	1	23110–C74
C75-01	Rapid lever shaft nut	1	23110–C75-01
C82	Counter dial ratchet spring	1	23110–C82
C83	Counter dial actuator lever spring	1	23110–C83
C86	Spool spring	1	23110–C86
C87	Rewind actuator lever spring	1	23110–C87
C88	Non-return arm spring	1	23110–C88
C89	Sprocket spring	1	23110–C89
C91	Stopper retainer screw	1	23110–C91
C92	Stopper washer	2	23110–C92
C95-01	Clutch ring	1	23110–C95-01
C96	Pin rest retainer plate	1	23110–C96
C105	Coupler pin collar	1	23110–C105
C107-02	Clutch retainer screw	1	23110–C107-02
C109	Sprocket retainer	1	23110–C109
C110-01	Clutch ring retainer collar	1	23110–C110-01
0-D8-03	Rewind knob assembly (D8-03, D1-03, D5-01, D11-01, D12-01, D13-01)	1	23110–0-D8-03
0-D9-01	Shaft bearing assembly (D9-01, D14)	1	
D10	Rewind shaft	1	23111–D10
D16	Nut	1	23111–D16
D18	Rewind shaft retainer screw	1	23111–D18
D19-01	Rewind shaft collar	1	
D20	Rewind shaft collar plate	1	23111–D20

Parts No.	Description	Quantity	Interchangeability
0-D21	Film type dial assembly (D21, D3, D4, D6, D17, D22, CSS1.4 x 1.7 x 3)	1	
0-D23	ASA adjustable dial assembly (D32, D26)	1	
D24	ASA switch ring spring	1	23111–D24
0-D25	ASA selector ring assembly (D25, D27)	1	
D28	Selector ring collar	1	
D29	Selector ring stopper	1	23111–D29
D30	P.C. board retainer screw	2	23111–D30
D31	Lug plate	2	
E1	Curtain shaft seat	1	23110–E1
0-E2	Shutter seat assembly (E2, E17, E20, E21, E42, E57, E58, E99 x 2, E180, E149)	1	
0-E3	Bottom shaft rest assembly (E3, E107, E108)	1	23111–0-E3
E4	Release plate	1	23110–E4-02
0-E6-00A	High speed lever assembly (E6-00A, E5, E52, E53, E111, E120, E122, Set F 1.4 x 2.5)	1	23110–0-E6-00A
-00B	(E6-00B, E5, E52, E53 E111, E120, E122, Set F 1.4 x 2.5)		23110–0-E6-00B
-00C	(E6-00C, E5, E52, E53, E111, E120, E122, Set F 1.4 x 2.5)		23110–0-E6-00C
E7	Bulb lever	1	23110–E7
E8	1st curtain checker arm	1	23110–E8-01
0-E9-01	Pinion coupler lever assembly (E9-01, E142)	1	
E10	Bounce stopper lever	1	
0-E13	Magnet actuator plate assembly (E13, E14)	1	23111–0-E13

Parts No.	Description	Quantity	Interchangeability
0- E19-00A -00B	High speed cam assembly (E19-00A, E47) (E19-00B, E47)	1	
0- E22	Shutter actuator plate assembly (E22, E90, E140, E145)	1	
0- E26	X contact piece assembly (E26, B16 x 2, B17 x 2, B52 x 10, E24, E25, E150-02, E173, E174 x 2, E175 E177)	1	
E27	X contact piece insulator	1	23110–E27
E30	Spill	1	23110–E30
E31	Spill spring	1	23110- E31
E32	Spill receptacle plate	1	23110–E32
E33	Top intermediate gear	1	23110–E33
0- E34	Bottom intermediate gear assembly (E34, E49)	1	23110–0-E34
0-E35-01	Top selector gear assembly (E35, E15, E78, E81, E85, E89)	1	23110–0-E35-01
0- E36	Bottom selector gear assembly (E36, E11, E12, E80)	1	23110–0-E36
0- E37	Coupler gear assembly (E37, E113)	1	23110–0-E37
E39	Coupler pinion	1	23110–E39
E40	Worm wheel	2	23110–E40
E41	Worm	2	23111–E41
0- E44	Speed dial assembly (E44, E168, Set T 1.7 x 2.5 x 3)	1	
0- E45	Speed selector retainer assembly (E45, E77, E125)	1	23111–0-E45
E51	Shutter rod	1	
0- E61	1st curtain pinion shaft assembly (E61, E38)	1	23110 0-E61

Parts No.	Description	Quantity	Interchangeability
0-E62	2nd curtain pinion shaft assembly (E62, E38)	1	23110–0-E62-01
E66	1st curtain shaft	2	23110–E66
E67	1st curtain roller	2	23110–E67
E68	2nd curtain roller	2	23110–E68
E73	Curtain shaft roller A	3	23110–E73
E74	Curtain shaft roller B	2	23110–E74
E75	Curtain shaft roller C	1	23110–E75
E76-01	Curtain shaft roller D	1	23110–E76-01
E84	Insulator collar	1	
E91	Speed dial retainer screw	1	23110–E91
0-E92-04	Intermediate gear retainer screw assembly (E92, E138)	1	23110–0-E92-04
E93	Shutter rest retainer screw	1	23111–E93
E94	Lever plate	1	
E95	1st curtain checker arm retainer screw	1	23110–E95
E96-01	Coupler lever spring hanger	1	23110–E96-01
E101	Bounce stopper screw	1	23110–E101
E102	Pinion shaft retainer screw	3	23110–E102
E103	Bulb lever nut	1	23110–E103
E105-02	Coupler gear retainer screw	1	23110–E105-02
E106	Eccentric collar	1	
E109	Bounce stopper adjust screw	1	23110–E109
E110	Spill spring retainer screw	1	23110–E110
E111	High speed lever adjust nut	5	23110–E111
E112	Coupler pinion screw	1	23110–E112

Parts No.	Description	Quantity	Interchangeability
E117	Shutter rod spring	1	23111–E117
E118	1st curtain checker arm spring	1	23110–E118
E119	Bulb lever spring	1	23110–E119
E121	Pinion coupler lever spring	1	23110–E121
E123	Bounce stopper spring	1	23110–E123
0-E128	Set of 1st curtain assembly (E128, E23, E59, E63, E69, E70, E115, E126 x 2)	1	23110–0-E128
0-E129	Set of 2nd curtain assembly (E129, E23, E60, E64, E65, E69, E70, E71, E72, E116, E127 x 2)	1	23110–E129
E132	Selector pin collar	1	23110–E132
E137	Release plate installing nut	1	23110–E137
E148	Shutter rod guide collar	1	23110–E148
E149	Dust prevention form	1	
0-E151	Timing contact switch lever assembly (E151, E29, E133, E153, E155, B52)	1	23111–0-E151
E152	Intervention stopper	1	23111–E152
E156	Timing contact switch spring	1	23111–E156
E159	Dial plate retainer nut	1	23111–E159
E163	Retainer	1	23110–E163
E164	Lubrication tube	1	23110–E164
E167	E clip	2	23110–E167
E169-00A 00B	Curtain shaft collar E - a Curtain shaft collar E - b	1	23110–E169-00A 23110–E169-00B
E172-01	Curtain shaft retainer screw	1	
0-E178	Opening and closing lever assembly (E178, E179, E181)	1	

Parts No.	Description	Quantity	Interchangeability
E182	Opening and closing lever spring	1	
E183	Spring hanger screw	1	
E184	Eccentric collar retainer screw	1	
0-F6	Pallet release lever top assembly (F6, F18)	1	23110–0-F6
0-F9	Pallet release rod assembly (F9, F19-01, F20-01)	1	
F10	Pallet release lever collar	1	23110–F10
F14-01	Pallet release rod collar	1	23110–F14-01
0-H1	Self timer assembly (H1~H40)	1	
H38	Joint	1	
0-H41	Release ring assembly (H41, H52, H53)	1	
H42	Front board install ring	1	
0-H43	Self support ring assembly (H43, H51)	1	
H44	Stopper plate	1	
H45	Friction spring	1	
0-H46 (Chrome or Black)	Charge lever assembly (H46, H49)	1	
H47	Click spring	1	
H48	Charge lever shaft	1	
H50-00A	Charge lever retainer screw	1	
-00B	Charge lever retainer screw		
-00C	Charge lever retainer screw		
-00D	Charge lever retainer screw		
0-I1-01	Timing switch assembly (I1, I2, I3, I4, I5, I7, I8, I9 x 2, I10, I11, E111, Set F 1.4 x 2.5)	1	
I13	Switch supporter plate	1	23111–I13

Parts No.	Description	Quantity	Interchangeability
I14	Connector retainer plate	1	23111–I14
I17	CdS P.C. board	1	23111–I17
I200	Battery checker assembly (I200, I12-01)	1	23111–I200
I300	Power switch	1	
I400	Memory block	1	
I500	Connector	1	
0-K1	Resistor support ring assembly (K1, K2, K3, K4 x 2, K7, K8 x 2, SS 1.4 x 1.8 x 2)	1	23111–0-K1
0-K9-01	Diaphragm coupler ring assembly (K9, K6 x 2, K10, K11, K12,x 2 K13, K14, K15 x 2)	1	23110–0-J409-01
K17	Diaphragm coupler lever	1	23110–J417
K18	Diaphragm coupler ring retainer screw	4	23110–K18
K19	Diaphragm coupler ring retainer	4	23110–K19
K20	Spring hanger	1	23110 K20
K21	Supporter ring spring	2	23110–K21
K24-01	Plug seat	1	
K28	Guide plate	1	23110–K28
K29	Cord holder	1	23110–K29
L1-01	Mirror	1	23110–L1-01
L2	Fresnel lens	1	23110–L2
L3	Ground glass	1	23110–L3
L4	Penta prism	1	
0-L5	Magnifier front element assembly (L5, L6)	1	

Parts No.	Description	Quantity	Interchangeability
M1	Prism seat	1	23111–M1-01
M2	Shutter dial plate	1	
M3	Ground glass frame	1	23111–M3
M4	Ground glass retainer	2	23110–M4
M5	Ground mask	1	23111–M5
M6	Prism retainer plate	1	23110–M6
M8	Prism retainer plate	1	23110–M8
M9	Prism retainer spring	2	23110–M9
M10-01	Prism protector	1	23110–M10-01
M11	Magnifier cushion	2	23110–M11
M12	Dust prevention string C	1	
M13-02	Dust prevention string D	1	23110–M13
M16	Dust prevention tape	2	23110–M16
M17	Prism seat retainer screw	1	23110–M17
M18	Ground glass frame retainer screw	2	23110–M18
M19	Dust prevention string	1	23110–M19
0-N1	CdS cell frame assembly (N1, N2 x 2, N3, N4, N6, N7, N8, N9, N10, N11 x 2, N12, N13, N14, N17, CNS 1.7 x 3.5 x 2, LW7,)	1	
~~01~~	Ammeter	1	
0-R1	ASA volume resistor assembly (R1, R2, R3, R4, R5, R6, R9 x 7, R10 x 2)	1	
0-S1	Magnet holder assembly (S1, S2, S3, S4, S5, S6, S7-01 x 2, S8, S9 x 2, S10, S11 x 2, S13, E177)	1	

Parts No.	Description	Quantity	Interchangeability
0-T1	P.C. board pattern assembly (T1, T6, T11, T12, T13, T16, T17, T20, T21 x 2, T22, T23 x 2, T24, T25, T26, T31, T32, T33 x 2, T41, T42, T43, T44, T45, T43, T44, T45, A24, A148-01)	1	23111–0-T1
T2	Relay P.C. board	1	

LIST OF STANDARD PARTS

Product No. 23117
ASAHI PENTAX ES II

Small screws:

Description	Surface treatment	Position of use	Quantity
CNM1.4 x 1.6	Black nickel	A22, A6	2
		D1, D8	2
CNM1.4 x 2.2	Black nickel	D21, D28	3
CNM1.4 x 2.5	Black nickel	T1, A148, A149	2
CNM1.4 x 4.5	Black nickel	I200, I2	1
CNM1.7 x 2.2	Nickel	Si, S8	1
CNM1.7 x 2.5	Black nickel	A20, A1	2
		A144, A34, A6	1
		C1, A1	1
		C2, A1	1
		E26, E27, A1	2
		I400, A1	1
CNM1.7 x 2.8	Black nickel	D9, A1	2
CNM1.7 x 3.5	Black nickel	B133, B2	1
		C7, C41	1
		E57, E58	2
		M1, O 1	2
	Nickel	S1, A1	1
CNM1.7 x 4.0	Black nickel	M1, B2	2
CNM1.7 x 5.0	Black nickel	M1, B2	3
		I1, A1	2
CNM1.7 x 5.5	Black nickel	B172, B170	1
CNM1.7 x 8.0	Black nickel	N1, M1	2
CNM2.0 x 3.5	Black nickel	A111, A6, A1	4
CNS1.4 x 1.4	Nickel	S1, S2, E17, E42	1
	Black nickel	E17, E42	1
CNS1.4 x 1.8	Black nickel	H41, H42	3
CNS1.4 x 2.8	Black nickel	E35, E45	1

Description	Surface treatment	Position of use	Quantity
CNS1.4 x 3.5	Nickel	E51, E106	1
CNS1.4 x 6.5	Black nickel	A155, A96, A6	3
CNS1.4 x 8.0	Black nickel	A6, A155	1
CNS1.7 x 1.5	Black nickel	B28, A1	2
CNS1.7 x 2.0	Black nickel	B10, B2	2
		E22, E146, E51	2
		A6, K24	2
CNS1.7 x 2.2	Black nickel (PB-5)	A3, A49	2
CNS1.7 x 2.5	Black nickel	B26, B2	2
CNS1.7 x 3.5	Black nickel	N3, N4, N1	2
CSM1.4 x 2.0	Black nickel	I12, D18	1
CSM1.4 x 2.2		E2, E42	3
CSM1.4 x 2.5		A1, I300	2
CSM1.7 x 2.5	Black nickel (PB-5)	A4, A32	2
		E3, A1	1
CSM1.7 x 3.0	Black nickel	E1, A1	2
		H1, A1	2
CSM1.7 x 3.5	Black nickel	A32, A1	2
		A49, A1	1
		A49, A99	1
		C43, A1	3
		C39, C59	1
		C39, C62	1
		C39, C64	1
CSM2.0 x 3.5	Black nickel	C4, A1	2
CSS1.4 x 1.6	Black nickel	A3, A62	3
		D3, D21	3
CSS1.4 x 1.8	Black nickel	K1, K2	1
		K17, K9	2
		A6, H42	3
CSS1.4 x 2.0	Black nickel	E20, E21, E57	2
CSS1.4 x 2.2	Black nickel	A68, A6	2
CSS1.7 x 2.2	Black nickel	A8, A12	2

Description	Surface treatment	Position of use	Quantity
CSS1.7 x 2.5	Black nickel	A13, A1	4
		B35, B2	2
		B36, B2	2
		A4, A32	2
CSS1.7 x 3.0	Black nickel	A9, A44, A1	2
		A16, A108, A1	2
		E2, A1	1
CSS1.7 x 4.0	Black nickel	A33, A53, A3	2
CSS1.7 x 7.0	Black nickel	A33, A53, A3	2
		A1, A36	1
CSS2.0 x 3.0	Black nickel (PB-3)	A3, C4	1
		A44, A66	
CNL-B1.4 x 2.0	Black nickel	H1, H26	3
CNL-D1.4 x 1.4	Black nickel	H28, H4	1
FM1.2 x 1.2	Nickel	E31, C1	1
SM1.4 x 2.0	Black nickel	E20, E21, E57	2
SM1.4 x 2.2	Black nickel	E2, E42	3
Set F1.4 x 2.5	Black nickel	E111, E6	1
Set F1.7 x 4.0	Black nickel	A1	1
Set F1.7 x 4.5	Black nickel	M1	2
Set T1.4 x 1.8	Black nickel	C69, C72	3
Set T1.4 x 2.2	Black nickel	E1, D41	2
Set T1.7 x 2.5	Black nickel	F9, F10	2

Washers:

Description	Material	Thickness	Position of use	Quantity
W1	Steel	0.1 mm	C17, C30	1
W2	Phosphor bronze	0.05	E9	1
		0.03 ~ 0.1	A6, K19	4
		0.2	I11, I1, A1	2
W3	Steel	0.2	M1	2
		0.1 ~ 0.3	S1, A1	1
		0.2	C92, C7	1
		0.6	B91	1

Description	Material	Thickness	Position of use	Quantity
W4	Steel	0.1	C17, C31	1
W6	Steel	0.6	E61	1
			E62	2
W7	Phosphor bronze	0.8	E51	1
W8	Phosphor bronze	0.1	B137	1
	Steel	0.2	C62, C63	1
	Phosphor bronze	0.05 ~ 0.1	B179, B176	1
W9	Brass	0.4	C28, C14	1
W17	Steel	0.2	C10, C86	1
			C86, C42	1
W22	Phosphor bronze	0.15	B63	1
W23	Phosphor bronze	0.1	E42, E58	1
W25	Bakelite	0.4	C11, C27	1
W28	Steel	0.4	C54	1
W30	Celluloid	0.5	C56, A4	1
W31	Steel	0.4	E10, A1	1
W36	Phosphor bronze	0.15	C7, C24, C41	1
W44	Phosphor bronze	0.2	C11, C27	1
W65	Phosphor bronze	0.2	H28	1
W70	Steel	0.03 ~ 0.1	S1, A1	1

Lock washers:

Description	Material	Position of use	Quantity
LW7	Steel	S6	2
LW10	Steel	B37, B132	2
		E178	1
		I4	1
LW13	Steel	B58	1
		B111	1
		B121	1
		B122	1
		B137	1

Description	Material	Position of use	Quantity
LW13	Steel	C54	1
		E51	1
		E59	1
		E60	1
		E108	1
LW20	Steel	C50	1

Balls:

Description	Material	Diameter	Position of use	Quantity
BO1.2	Steel	1.2	A29	1
BO1.5	Steel	1.5	D25	1
			A155	1

Lead wires:

Lead wire No.	Length	Color	Position of use	Quantity
1	170mm	Green	117, 0-N1-01	1
2	115mm	White	0-I500, 0-I200	1
3	125mm	Sky blue	0-I500, 0-I200	1
4	110mm	Black	0-I500, 0-R1	1
5	70mm	Yellow green	0-I500, 0-I400	1
6	115mm	Blue	0-I500, 0-I400	1
7	60mm	Orange	0-I500, 0-B26	1
8	135mm	Light brown	0-I500, 0-I200	1
9	50mm	Red	0-I500, T2	1
10	95mm	Pink	0-I500, 0-I400	1
11	105mm	Brown	0-I500, T2	1
12	120mm	Blue	0-I500, 0-R1	1
13	110mm	Yellow	0-I550, 0-R1	1

Lead wire No.	Length	Color	Position of use	Quantity
14	70mm	Light purple	0-I500, 0-I400	1
15	75mm	Gray	0-I500, 0-I400	1
16	60mm	Purple	0-I500, 0-B26	1
17	25mm	White	0-R1, 0-I200	1
18	35mm	Red	0-N1-01, A167	1
19	95mm	Gray	0-N1-01, 0-B26	1
20	80mm	Light yellow	K24, 0-B26	1
21	170mm	Red	0-E26, 0-B26	1
22	185mm	Red	0-E26, 0-B26	1
26	40mm	Red	T2, 0-I400	1
27	90mm	Black	K24, A161	1
28	170mm	Pink	T2, 0-I1	1
29	130mm	Brown	T2, 0-S1	1
30	70mm	Blue	0-E26, 0-I300	1
32	190mm	White	K24, K2	1
34	2mm			1
35	60mm	Green	0-I500, I17	1
36	85mm	Black	K24, 0-K1	1
37	50mm	Black	0-R1, 0-I200	1
38	115mm	Blue	0-E26, T2	1

TECHNICAL REPORT
テクニカル リポート

Characteristic features of ESII (23117)

ESII is the improved model from ASAHI PENTAX ES (Product No. 23111).

Therefore, various adjustments of ESII are same with those of ES. Regarding to the adjustments, refer to SERVICE MANVAL of ES (23111).

In the following items, exclusive devices for ESII are mentioned.

1. Self timer
2. Battery case
3. Viewfinder blinds
4. Shutter lock
5. ASA speed 20～3200 (ESII)
   ex. 20～1600 (ES)

ESⅡの特徴

ESⅡはES (23111) の改良型である。

故に、種々の調整方法はES (23111) と同様である。

調整方法については、ESサービスマニュアル（英文のみ）を参照する。

次の項にて、ESⅡの特有な装置が記述してある。

1．セルフタイマー
2．バッテリーケース
3．ファインダー遮光装置
4．シャッターロック
5．ASA 感度 20～3200 (ESⅡ)
例 20～1600 (ES)

1. Self timer

* Charge lever assembly (0-H46) is taken out or installed in with cocked condition of Self timer.

Charge lever assembly (0-H46) is installed as Fig. 1 shows.

1．セルフタイマー

＊チャージレバー(O-H46)の着脱はセルフタイマーの巻上げ状態で行う。

チャージレバー (O-H46) はFig・1の様に取りつけられる。

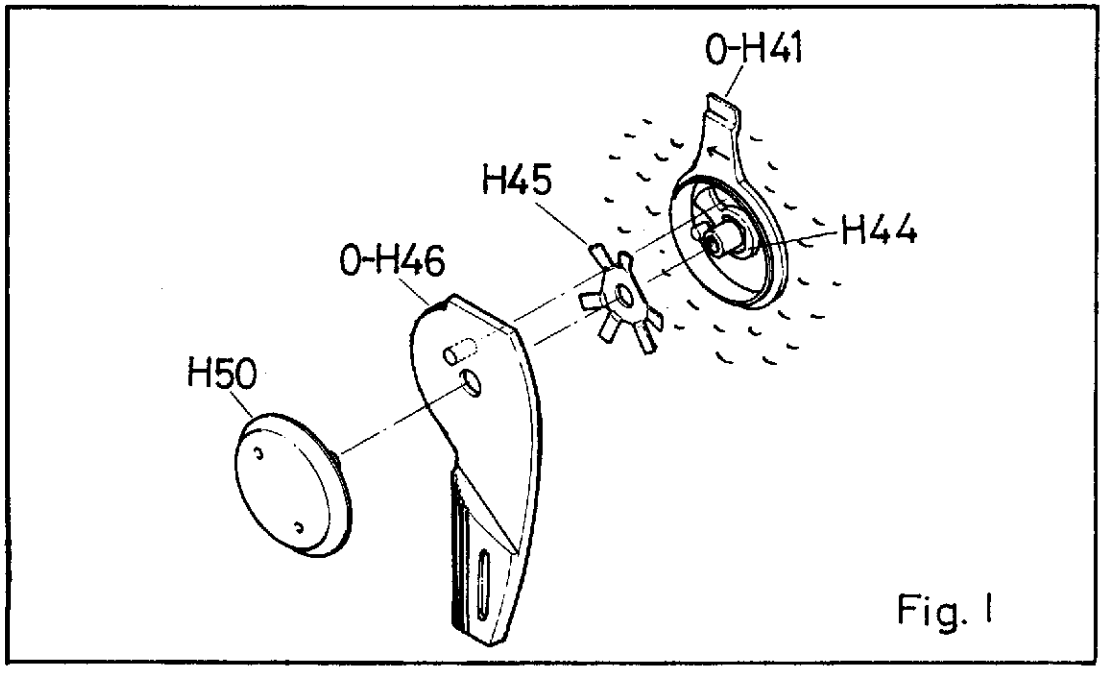


Fig. 1

* There are four kinds of Charge lever retainer screws (H50) for facilitating the movement of Charge lever assembly (0-H46).

＊チャージレバー止ネジ(H50)は4種類ある。チャージレバー（O-H46）の作動を良くする為である。

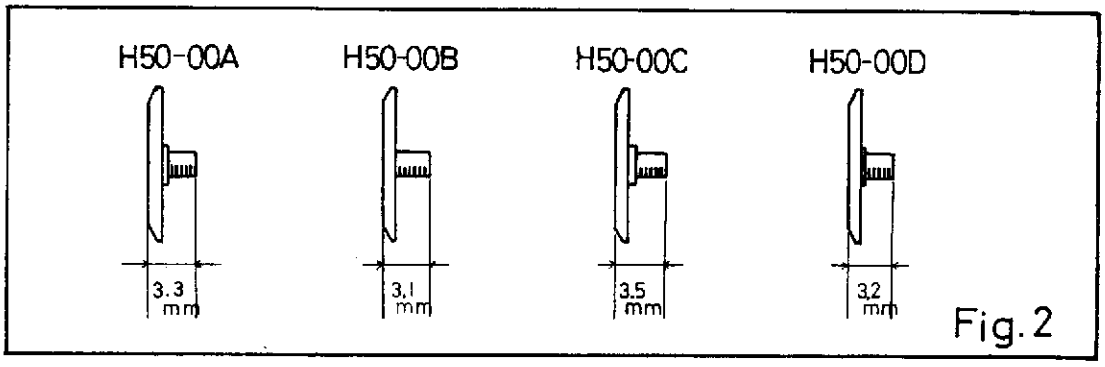


Fig.2

* Self timer stroke adjustment

Set shutter speed dial at B, and release the shutter with Self timer. If exposure time does not show around 1,000 ms, adjust the stroke with Eccentric collar (E106).

＊セルフタイマーストローク

シャッター変速盤をBにセットしてセルフタイマーでシャッターを切った時、1,000 ms位を示さない時は、偏心カラー（E106）を利用して調整する。

2. Battery case

Battery case is located at bottom part of Front board complete assembly (A0-A6).

When checking ESII with testers such as T adjuster, new Battery adapter is used.

2．バッテリーケース

バッテリーケースは前板の下部にある。ESⅡカメラをテスター（例　Tアジャスター等）を使ってチェックする時に新しいバッテリーアダプターを使用する。

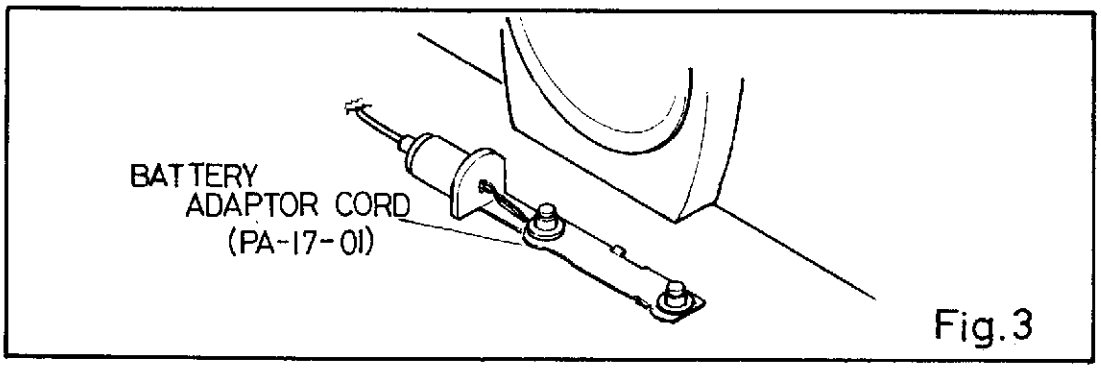


Fig.3

There is no special tool for battery case opening.

Use proper tool such as driver or tweezers.

バッテリーケースを開く工具は特にないので、ドライバーかピンセットを使用する様にする。

3. Viewfinder blinds

If viewfinder blinds do not shut or open completely, adjust them with bending Lever plate (E94) to either direction.

3．ファインダー遮光装置

ファインダー遮光装置が完全に閉じたり、又は開かなかった時はレバー押板(E94)を曲げて調整する。

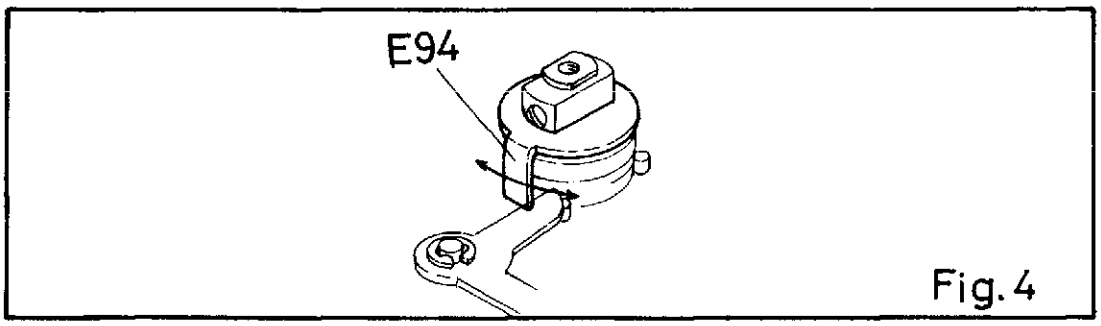


Fig. 4

4. Shutter lock

Shutter lock mechanism is newly installed.

4．シャッターロック

シャッターロック装置が新たに取付けられている。

5. ASA speed

20～3,200 (ESII)

ex. 20～1,600 (ES)

5．ASA感度

20～3200（ESⅡ）

例 20～1600（ES）

* Lubricant

New lubricants

G31 (ESII) ←—— G2b (SP)

L21 (ESII) ←—— L1 (SP)

G21 (ESII) ←—— G1 (SP)